

Figure 1

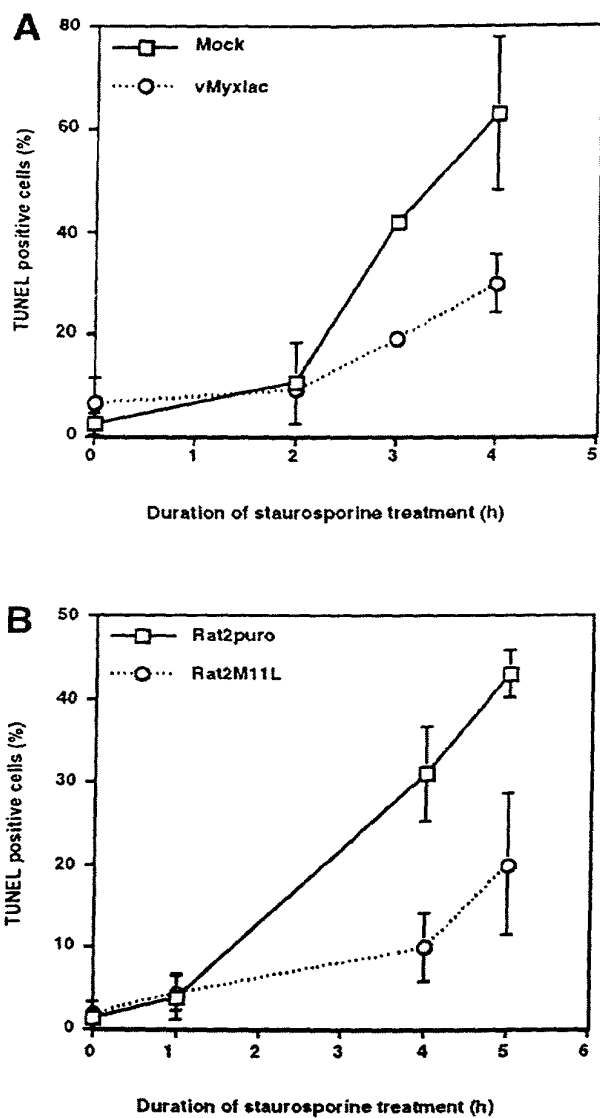


Figure 1 (con't)

C

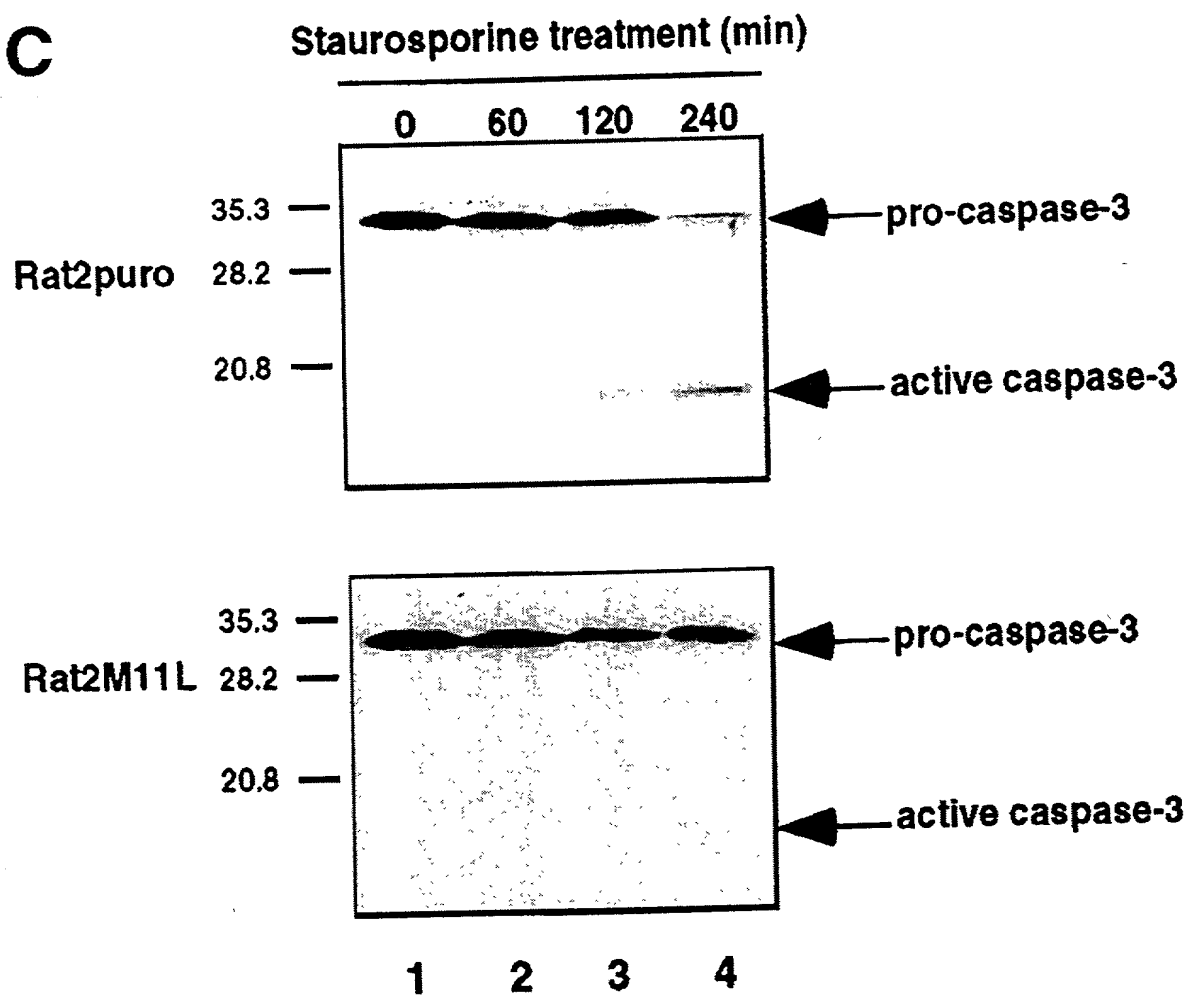


Figure 2

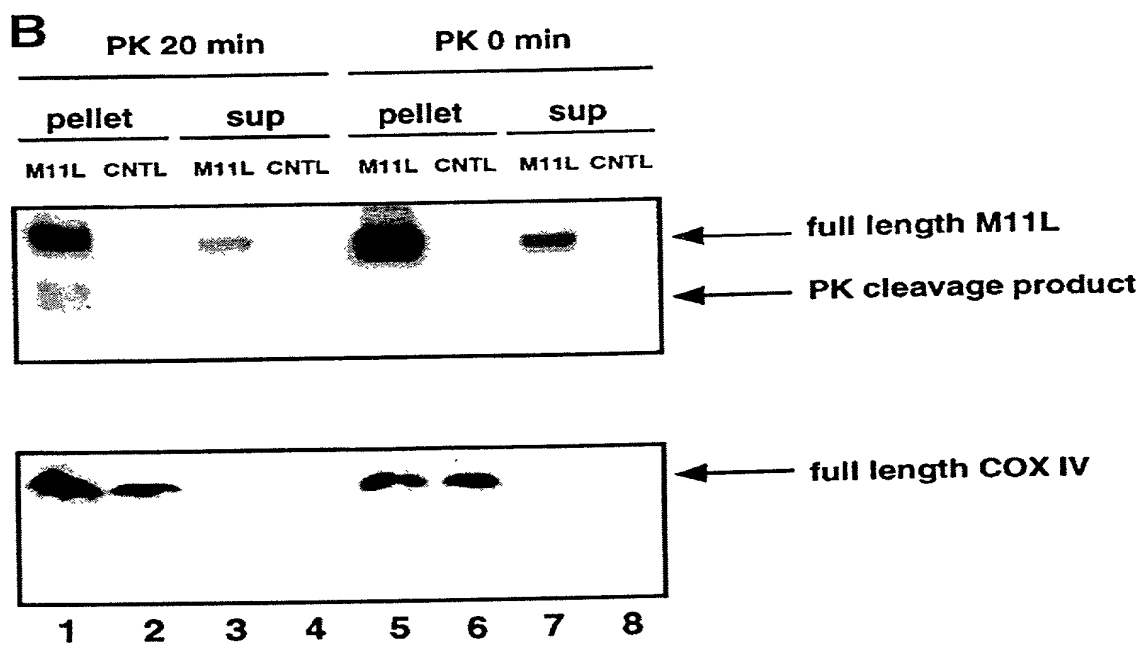
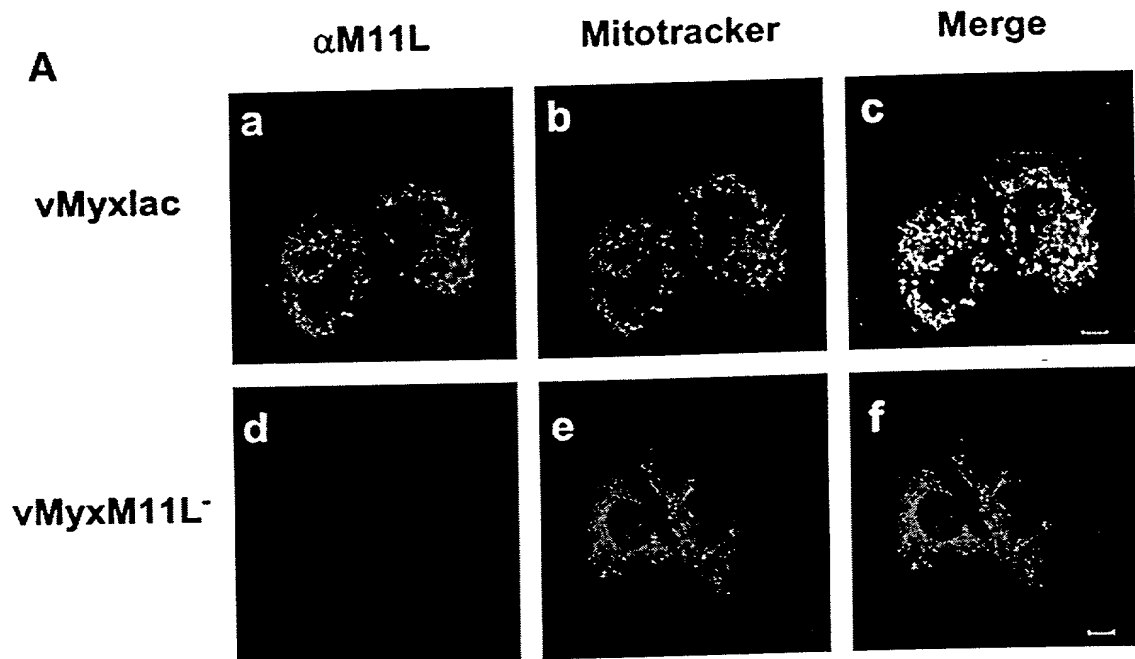
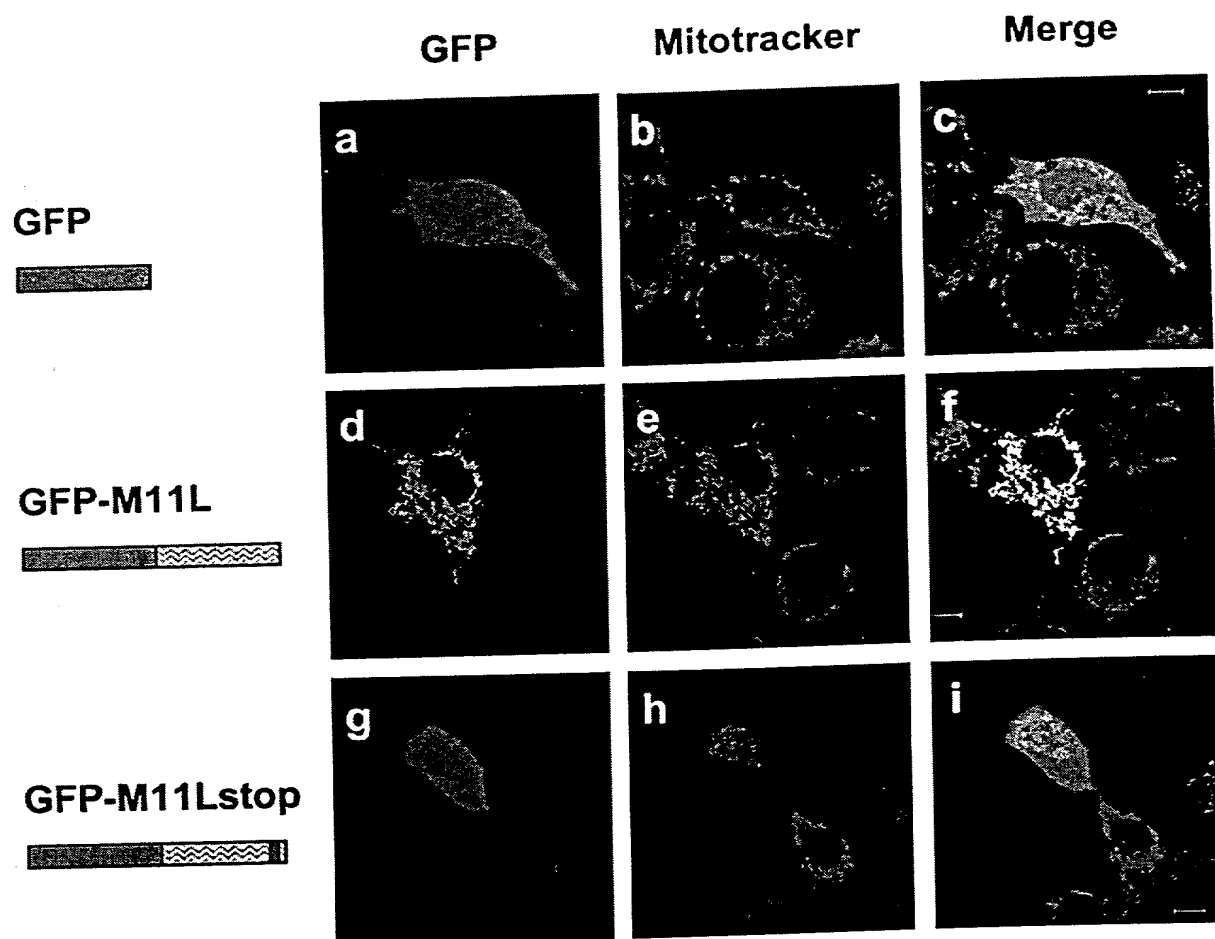


Figure 3



[illegible]

Figure 5

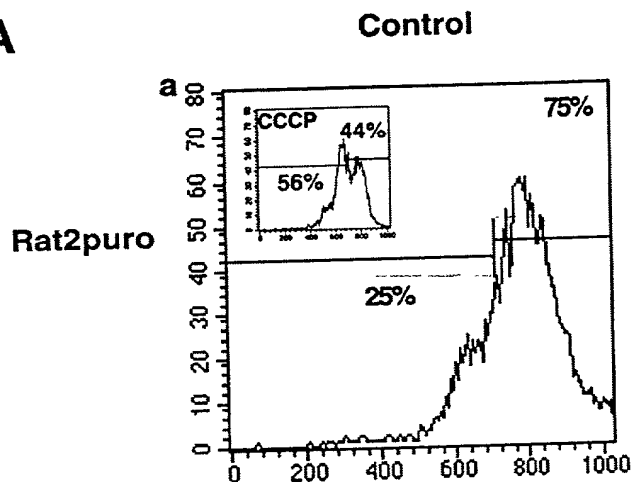
					domain is a mitochondrial targeting signal	domain is required for function
M11L	K	ISVYLTAADVGFVAYGIL	K WYRGT		Y	Y
Bcl-2	K	TLLSLALVGACITLGAYLS	K K		Y	Y/N
Bcl-X _L	K	WFLTGMTVAGVVLLGSLFS	K K		Y	Y/N
Boc/Diva	K	LLIQAFLSGFFATAIFFIW	K RL		?	?
CED-9	K	WSMIGAGVTAGAIGIVGVVCG	K MMFSLK		?	?
BHRF-1	K	FSWTLFLAGLTLSLLVICSYLFIS	K GRH		Y	Y
KSbcl-2	K	MTALLGSIALLATILAAVAMS	K R		?	?
Nip3	K	VFLPSLLLSHLLAIGLGIYIG	K RLTTSTSTF		Y	Y
Nix	K	VFIPSLFLSHVLALGLGIYIG	K RLSTPSA		Y	Y

positive charge	18-24 aa putative membrane-spanning domain	positive charge	positive tail
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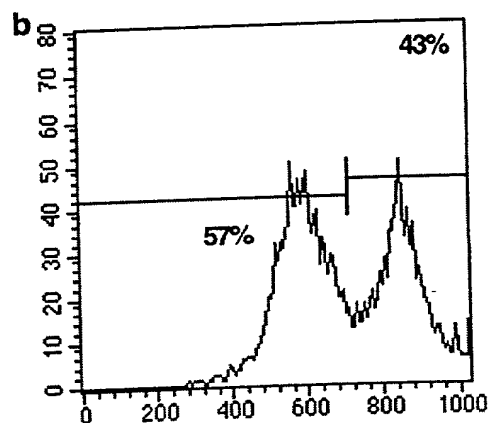
attached sheet

Figure 6

A



Staurosporine (4h)



Rat2M11L

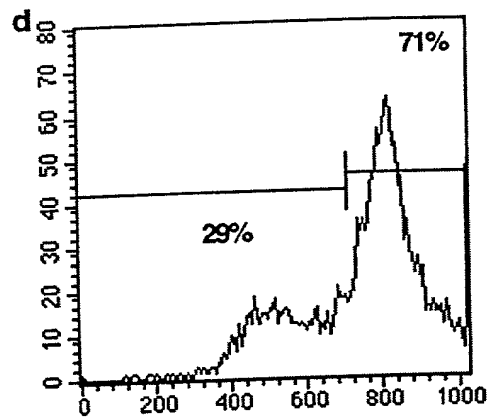
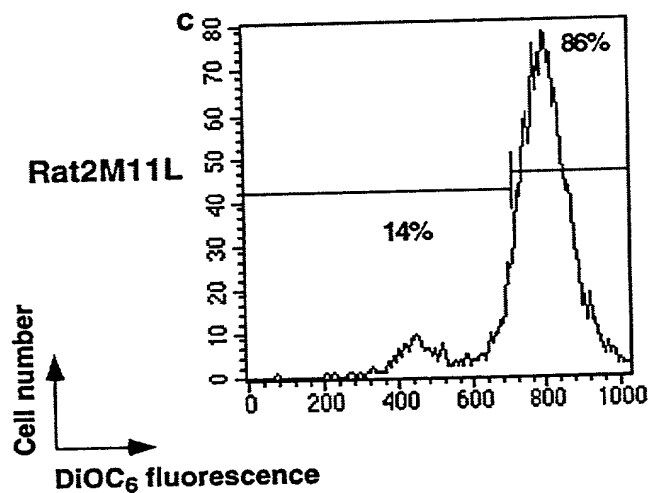
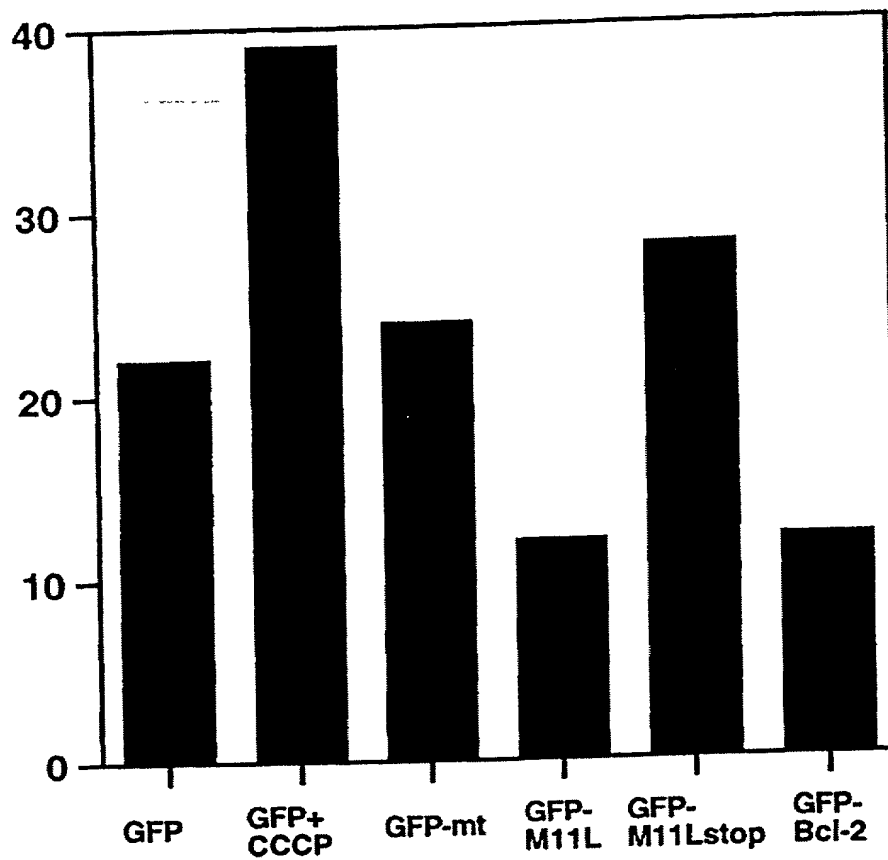


Figure 6 (con't)

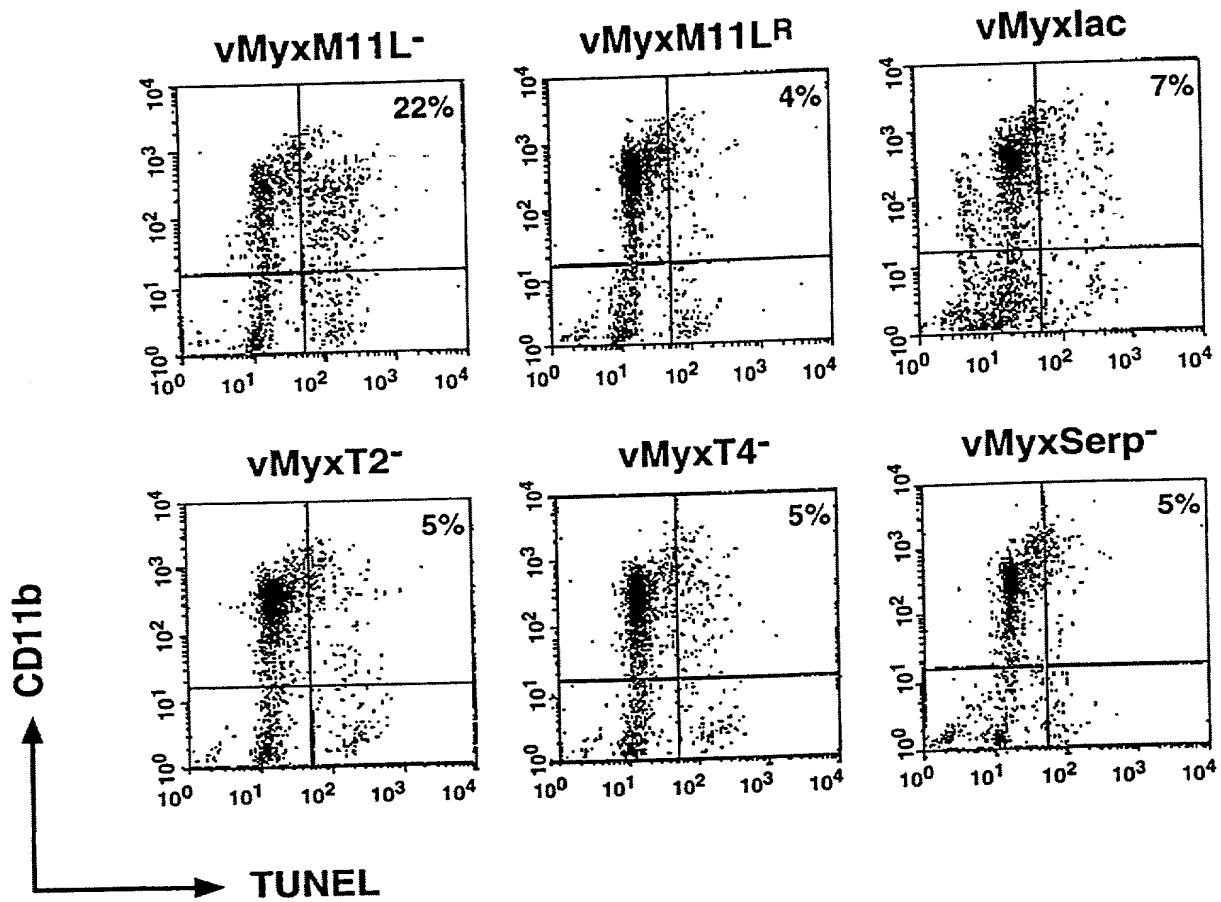
B

Average percent difference in TMRE positive cells following apoptosis induction



GFP construct expressed by cells

Figure 7



Process to Identify M11L-interacting Proteins

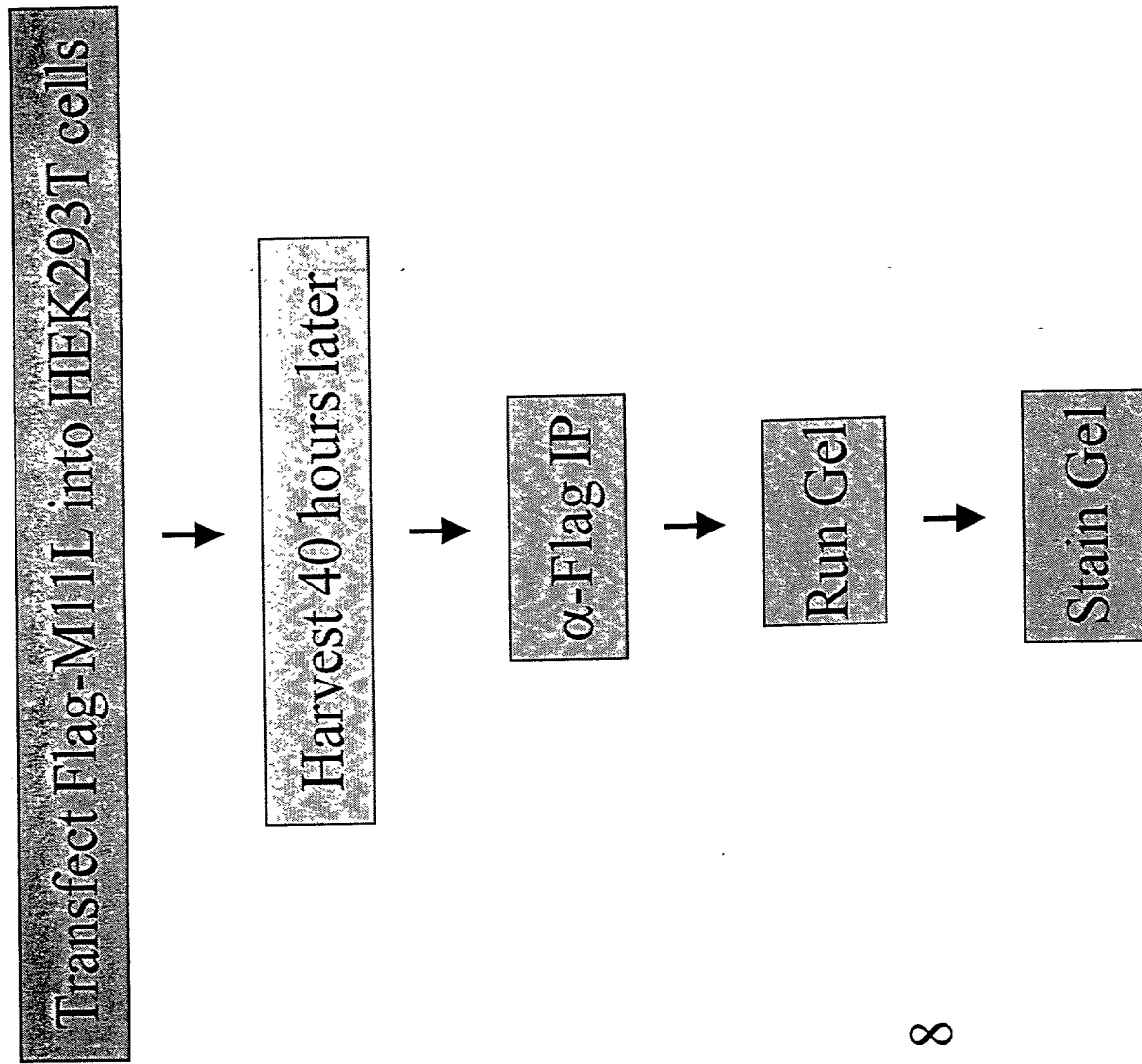
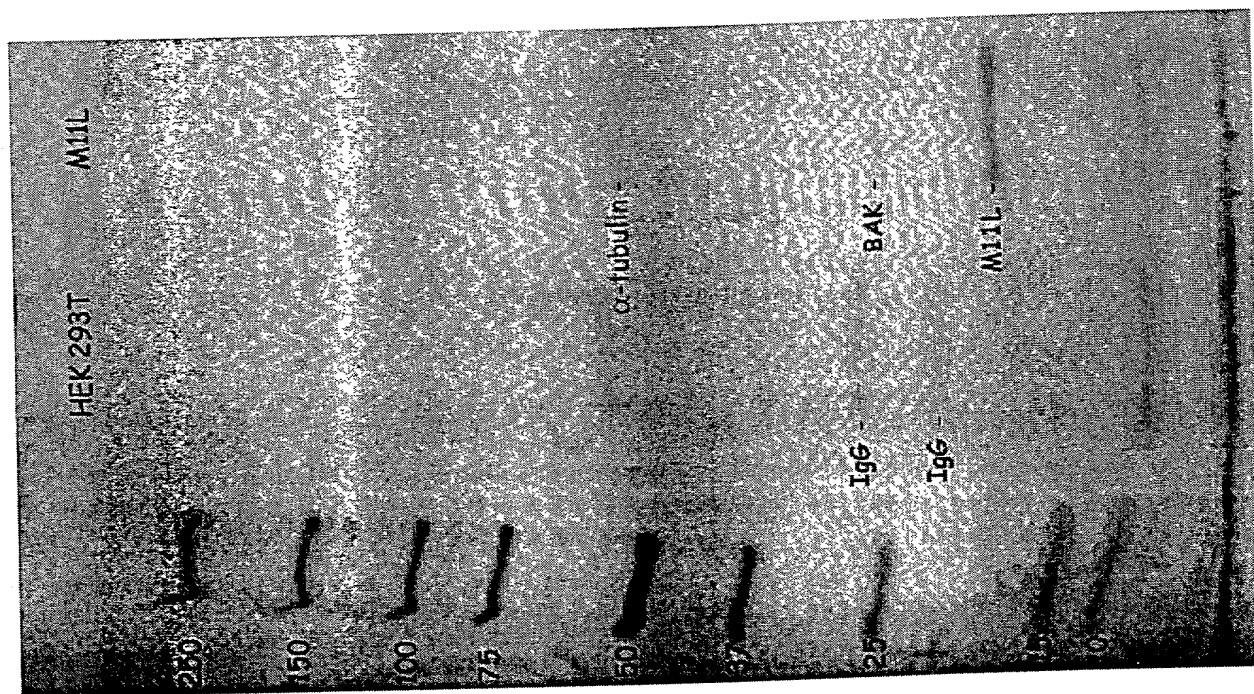


Figure 8



Excise Bands

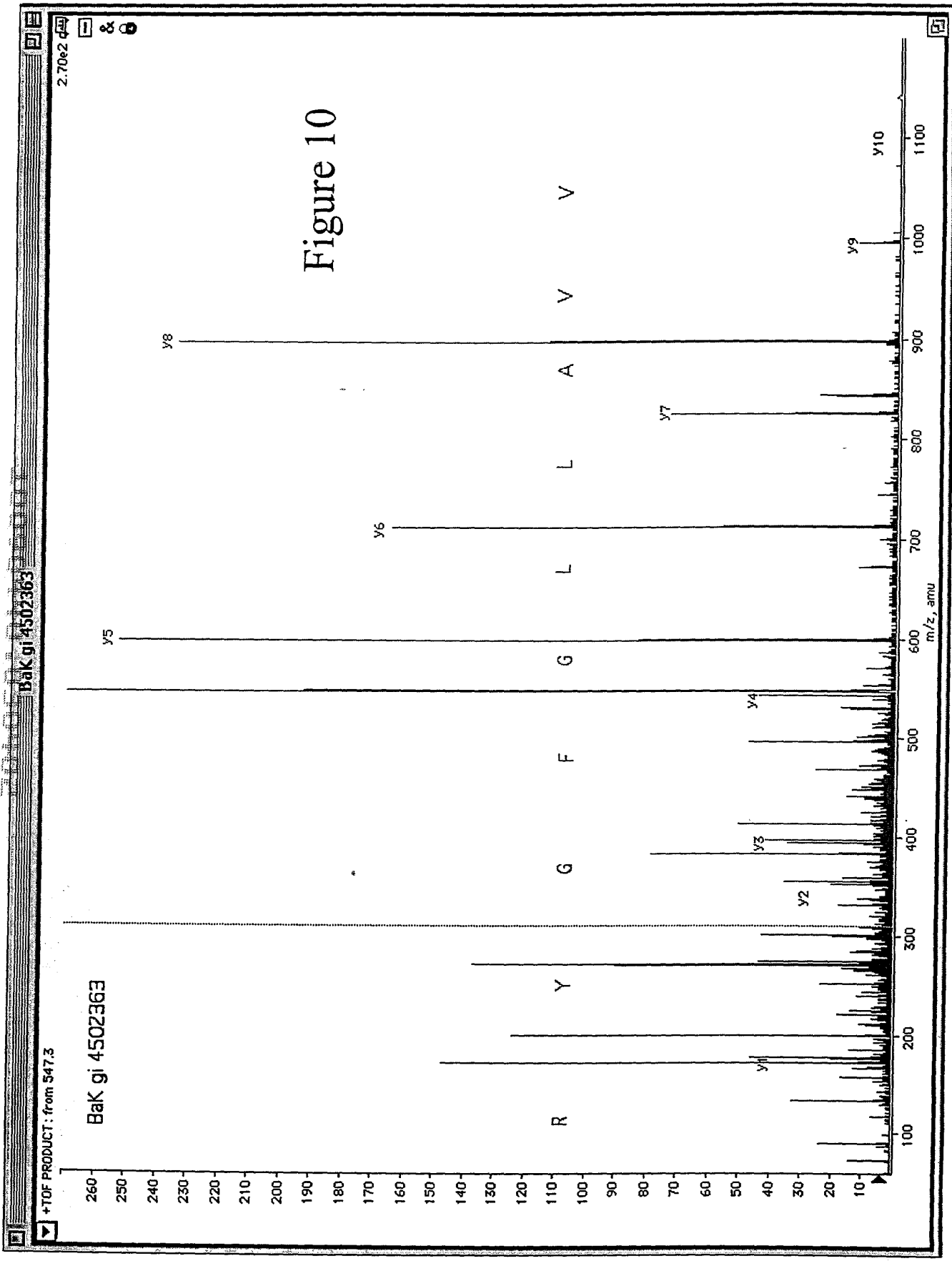


Digest Protein With Trypsin



Analyze Peptides by Mass Spec

Figure 9



Bak, a Bcl2 family member, was identified
by Mass Spec

MASGQGPGPPRQECGEPALPSASEEQVAQD
TEEVFRSYVFYRHQQEQEAEQVAAPADPEM
VTLPLQPSSTMGQVGR**QLAIIGDDIN**RRYD
SEFQTMLQLQPTAENAYEYFTK**IATSLFE**
SGINWGRVALLGFGYRLALHVYQH
GLTGFLGQVTRFVDFMLHHCIARWIAQRGGWVA
ALNLGNGPILNVLVLGVVLLGQFVVRFFKS

Figure 11